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Economics and Statistics Administration
BUREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

March 1999

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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in March increased \$6.9 billion or 2.0 percent to \$349.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.8 percent February decrease and is the fourth increase in five months. Excluding transportation, new orders increased 1.4 percent. Year-to-date, new orders are 3.6 percent above the same period a year ago; new orders for the first quarter are 2.7 percent above the fourth quarter.

Shipments increased \$5.1 billion or 1.5 percent to \$348.9 billion, following a 0.6 percent February increase. This is the eighth increase in the last ten months. Year-to-date, shipments are 2.7 percent above the same period a year ago; shipments for the first quarter are 0.8 percent above the fourth quarter.

Unfilled orders increased \$1.0 billion or 0.2 percent to \$527.0 billion, following a 0.1 percent February decrease. The unfilled orders-to-shipments ratio was 2.65, down from 2.67 in February.

Inventories decreased \$0.8 billion or 0.2 percent to \$463.4 billion. This is the fifth consecutive decrease. The inventories-to-shipments ratio was 1.33, down from 1.35 in February.

New Orders

New orders for manufactured durable goods in March increased \$5.6 billion or 2.9 percent to \$199.4 billion, revised from the previously published 2.0 percent increase. This follows a 3.9 percent February decrease and is the fourth increase in the last five months.

Transportation equipment had the largest increase, \$2.8 billion or 6.2 percent to \$48.2 billion, due to increases in shipbuilding and tanks and motor vehicles and parts. This follows a 13.3 percent February decrease and is the fourth increase in the last five months. Electronic and other electrical equipment, up three of the last four months, increased \$1.3 billion or 4.0 percent to \$34.0 billion; led by electronic components, most industries increased. This follows a 6.4 percent February decrease. Industrial machinery and equipment, up for the first month since December, increased \$1.2 billion or 3.2 percent to \$38.2 billion. This follows a 0.3 percent February decrease.

New orders for nondurable goods increased \$1.2 billion or 0.8 percent to \$150.5 billion. This follows a 1.1 percent February increase and is the fourth increase in the last five months. Petroleum and coal products had the largest increase.

Shipments

Shipments of durable goods in March increased \$3.5 billion or 1.8 percent to \$198.0 billion, revised from the previously published 1.3 percent increase. This is the ninth increase in the last ten months. Transportation equipment, up six of the last eight months, had the largest increase, \$2.1 billion or 4.3 percent to \$49.6 billion;

all categories except aircraft and parts increased. This follows a 0.6 percent February increase. Electronic and other electrical equipment, up for the first month since December, increased \$0.6 billion or 1.8 percent to \$32.8 billion. This follows a 1.8 percent February decrease. Instruments and related products increased \$0.3 billion or 2.0 percent to \$14.3 billion. This follows a 0.2 percent February increase. Primary metals increased \$0.3 billion or 1.9 percent to \$14.5 billion, following a 0.6 percent February decrease.

Shipments of nondurable goods, up four of the last five months, increased \$1.6 billion or 1.1 percent to \$150.9 billion. This follows a 1.1 percent February increase. Petroleum and coal products, up three of the last four months, increased \$1.1 billion or 9.7 percent to \$12.3 billion, following a 2.0 percent February increase.

Unfilled Orders

Unfilled orders for durable goods in March increased \$1.4 billion or 0.3 percent to \$503.5 billion, revised from the previously published 0.2 percent increase. This follows a 0.1 percent February decrease. Industrial machinery and equipment, up four consecutive months, had the largest increase, \$1.4 billion or 1.9 percent to \$76.8 billion. This follows a 0.4 percent February increase. Electronic and other electrical equipment, up four consecutive months, increased \$1.2 billion or 1.8 percent to \$64.2 billion. This follows a 0.7 percent February increase. Transportation equipment, down six of the last seven months, decreased \$1.3 billion or 0.5 percent to \$245.0 billion. This follows a 0.8 percent February decrease.

Inventories

Inventories of durable goods in March decreased \$0.7 billion or 0.2 percent to \$293.4 billion, following a 0.2 percent February increase. This is the fourth decrease in the last five months. Transportation equipment, down four of the last five months, decreased \$0.6 billion or 0.8 percent to \$73.3 billion, following a 0.2 percent February increase. Primary metals, down for the sixth consecutive month, decreased \$0.5 billion or 1.9 percent to \$23.7 billion, following a 1.1 percent February decline. Electronic and other electrical equipment increased \$0.3 billion or 0.8 percent to \$40.4 billion, following a 1.4 percent February increase.

Inventories of nondurable goods, down four consecutive months, decreased \$0.2 billion or 0.1 percent to \$170.0 billion, following a 0.7 percent February decrease. Chemicals and allied products had the largest decrease, \$0.3 billion or 0.7 percent to \$46.0 billion. This follows a 0.3 percent February decrease. Petroleum and coal products, up for the first month since November, increased \$0.4 billion or 4.1 percent to \$10.4 billion, following a 1.9 percent February decrease.

By stage of fabrication, March finished goods increased 0.3 percent in durables and decreased slightly in nondurables. Work in process decreased 0.7 percent in durables and increased 0.7 percent in nondurables. Materials and supplies decreased 0.1 percent in durables and 0.6 percent in nondurables.

Our internet address is: <http://www.census.gov/indicator/www/m3>

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1999 ^p	Feb. 1999 ^p	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999 ^p	Feb. 1999 ^p	Jan. 1999	Mar. 1998		1999 ^p	1998
All manufacturing industries	348,873	343,724	341,673	+1.5	+0.6	-0.7	368,566	341,000	307,582	357,033	+3.2	1,017,148	989,711
Manufacturing Industries													
with unfilled orders	199,096	196,786	197,075	+1.2	-0.1	-0.8	212,881	194,347	173,561	208,267	+2.2	580,789	566,023
without defense capital goods . . .	342,209	336,995	334,933	+1.5	+0.6	-0.8	361,437	334,246	302,088	349,909	+3.3	997,771	970,730
Durable goods industries	197,992	194,465	194,091	+1.8	+0.2	-0.7	214,841	194,919	170,448	205,948	+4.3	580,208	554,314
With unfilled orders	162,004	159,569	159,916	+1.5	-0.2	-1.0	175,787	157,833	139,260	170,420	+3.1	472,880	456,362
Stone, clay, and glass products	8,527	8,456	8,220	+0.8	+2.9	-1.2	8,406	7,961	7,119	7,690	+9.3	23,486	21,626
Primary metals	14,488	14,224	14,312	+1.9	-0.6	+0.6	15,218	14,635	13,586	16,362	-7.0	43,439	47,693
Blast furnaces, steel mills	5,616	5,553	5,396	+1.1	+2.9	+0.7	5,898	5,776	5,236	6,710	-12.1	16,910	19,813
Iron and steel foundries	1,559	1,527	1,525	+2.1	+0.1	-2.8	1,650	1,587	1,397	1,649	+0.1	4,634	4,647
Nonferrous and other primary metals	7,313	7,144	7,391	+2.4	-3.3	+1.3	7,670	7,272	6,953	8,003	-4.2	21,895	23,233
Fabricated metal products	20,406	20,391	20,520	+0.1	-0.6	0.0	21,223	20,585	18,557	20,575	+3.1	60,365	57,867
Industrial machinery and equipment . .	36,790	36,756	36,513	+0.1	+0.7	-1.0	43,309	35,722	30,345	43,739	-1.0	109,376	109,496
Engines and turbines	2,282	2,312	2,302	-1.3	+0.4	-1.3	2,602	2,291	1,894	2,700	-3.6	6,787	6,505
Farm and garden machinery	2,003	1,941	1,931	+3.2	+0.5	+9.7	2,756	2,275	1,733	2,760	-0.1	6,764	6,995
Construction, mining and material handling equipment	4,142	3,990	3,943	+3.8	+1.2	-1.2	4,610	4,095	3,481	4,598	+0.3	12,186	12,607
Metalworking machinery	3,490	3,545	3,512	-1.6	+0.9	+0.3	3,702	3,383	2,694	3,714	-0.3	9,779	9,659
Computer and office equipment . . .	10,875	11,195	10,971	-2.9	+2.0	-0.5	14,221	9,798	8,033	14,168	+0.4	32,052	30,599
Electronic and other electrical equipment	32,809	32,235	32,830	+1.8	-1.8	-0.5	35,287	31,196	27,811	33,177	+6.4	94,294	88,240
Electrical transmission and distribution equipment and industrial apparatus	3,775	3,625	3,627	+4.1	-0.1	-4.8	4,150	3,676	3,176	4,021	+3.2	11,002	11,000
Household appliances	2,326	2,405	2,256	-3.3	+6.6	+0.7	2,573	2,346	1,825	2,251	+14.3	6,744	5,889
Electric lighting and wiring equipment	2,323	2,234	2,242	+4.0	-0.4	-7.9	2,522	2,286	1,966	2,415	+4.4	6,774	6,658
Household audio and video equipment	1,001	1,046	1,155	-4.3	-9.4	+2.8	961	952	930	1,027	-6.4	2,843	2,785
Communications equipment	8,042	7,634	8,071	+5.3	-5.4	+5.9	9,206	6,876	6,134	7,966	+15.6	22,216	19,365
Electronic components	13,061	13,057	13,310	0.0	-1.9	-1.7	13,667	12,885	11,993	13,360	+2.3	38,545	36,550
Transportation equipment	49,555	47,502	47,236	+4.3	+0.6	-1.4	53,892	50,526	42,646	48,839	+10.3	147,064	132,259
Motor vehicles and parts	33,361	32,118	31,970	+3.9	+0.5	-0.6	36,482	35,628	30,104	32,955	+10.7	102,214	92,079
Aircraft, missiles, space vehicles, and parts	12,197	12,207	12,255	-0.1	-0.4	+1.8	13,155	11,734	10,070	12,302	+6.9	34,959	31,529
Shipbuilding and tanks	1,195	895	1,044	+33.5	-14.3	+14.2	1,251	879	786	1,003	+24.7	2,916	2,462
Instruments and related products	14,327	14,046	14,011	+2.0	+0.2	-2.5	15,459	13,874	12,284	15,181	+1.8	41,617	41,270
Search and navigation equipment	3,176	3,094	3,169	+2.7	-2.4	-2.6	3,401	3,137	2,728	3,215	+5.8	9,266	8,833
Measuring and controlling devices . . .	4,072	4,141	4,077	-1.7	+1.6	+2.1	4,409	4,149	3,633	4,441	-0.7	12,191	12,370
Medical instruments and supplies	4,766	4,650	4,526	+2.5	+2.7	-5.6	5,245	4,594	4,041	4,953	+5.9	13,880	13,313
Photographic goods	1,820	1,653	1,786	+10.1	-7.4	-4.6	1,890	1,511	1,479	2,065	-8.5	4,880	5,425
All other durable goods	21,090	20,855	20,449	+1.1	+2.0	+0.7	22,047	20,420	18,100	20,385	+8.2	60,567	55,863
Nondurable goods industries	150,881	149,259	147,582	+1.1	+1.1	-0.8	153,725	146,081	137,134	151,085	+1.7	436,940	435,397
With unfilled orders	37,092	37,217	37,159	-0.3	+0.2	+0.1	37,094	36,514	34,301	37,847	-2.0	107,909	109,661
Food and kindred products	41,714	41,479	41,319	+0.6	+0.4	-0.6	42,553	40,346	38,810	41,268	+3.1	121,709	118,897
Meat products	8,665	8,590	8,602	+0.9	-0.1	+0.3	8,689	8,337	8,069	8,710	-0.2	25,095	25,193
Dairy products	6,722	6,591	6,640	+2.0	-0.7	-4.4	6,916	6,408	6,508	6,142	+12.6	19,832	17,634
Beverages	6,254	6,272	6,247	-0.3	+0.4	+1.6	6,178	5,658	5,396	5,904	+4.6	17,232	16,707
All other foods, except fats and oils . .	18,140	18,068	17,903	+0.4	+0.9	+0.8	18,837	17,985	16,910	18,363	+2.6	53,732	52,964
Tobacco products	4,182	4,088	4,017	+2.3	+1.8	+5.2	4,497	4,069	3,820	3,492	+28.8	12,386	9,895
Textile mill products	6,356	6,426	6,581	-1.1	-2.4	+1.7	6,733	6,268	5,769	7,381	-8.8	18,770	20,455
Broadwoven fabrics and other textiles	3,608	3,694	3,851	-2.3	-4.1	+1.1	3,960	3,680	3,481	4,753	-16.7	11,121	12,896
Paper and allied products	13,380	13,662	13,443	-2.1	+1.6	-1.7	13,434	13,749	12,931	14,092	-4.7	40,114	41,574
Pulp, paper, and paperboard mill products	5,167	5,236	5,177	-1.3	+1.1	+2.3	5,217	5,265	4,983	5,531	-5.7	15,465	16,471
Paperboard containers and boxes	3,260	3,368	3,401	-3.2	-1.0	-5.3	3,293	3,386	3,275	3,677	-10.4	9,954	10,701
Miscellaneous converted paper products	4,953	5,058	4,865	-2.1	+4.0	-3.0	4,924	5,098	4,673	4,884	+0.8	14,695	14,402
Chemicals and allied products	33,472	33,196	32,305	+0.8	+2.8	-3.8	35,356	32,585	30,801	34,428	+2.7	98,742	97,767
Industrial chemicals	14,602	14,670	14,688	-0.5	-0.1	-0.9	15,148	14,938	14,104	15,854	-4.5	44,190	46,704
Drugs, soaps, and toiletries	14,875	14,690	13,914	+1.3	+5.6	-5.9	15,677	13,883	13,458	14,157	+10.7	43,018	39,306
Petroleum and coal products	12,349	11,262	11,040	+9.7	+2.0	-0.2	11,384	10,137	9,819	11,809	-3.6	31,340	35,560
Rubber and plastics products	13,729	13,718	13,207	+0.1	+3.9	-1.4	14,392	13,907	12,207	13,753	+4.6	40,506	39,258
All other nondurable goods	25,699	25,428	25,670	+1.1	-0.9	+2.1	25,376	25,020	22,977	24,862	+2.1	73,373	71,991

^p Preliminary. ^r Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Mar. 1998		1999 ^p	1998
All manufacturing industries	349,912	343,046	349,314	+2.0	-1.8	+1.6	367,892	339,552	325,593	351,066	+4.8	1,033,037	995,691
Manufacturing industries with unfilled orders	200,135	196,108	204,716	+2.1	-4.2	+3.2	212,207	192,899	191,572	202,300	+4.9	596,678	572,003
without defense capital goods	342,324	337,547	341,296	+1.4	-1.1	+1.4	358,713	334,897	317,049	344,415	+4.2	1,010,659	976,154
Durable goods industries	199,419	193,786	201,708	+2.9	-3.9	+3.1	214,187	193,524	188,008	199,682	+7.3	595,719	559,987
With unfilled orders	163,431	158,890	167,533	+2.9	-5.2	+3.7	175,133	156,438	156,820	164,154	+6.7	488,391	462,035
Stone, clay, and glass products	8,576	8,404	8,248	+2.0	+1.9	-0.5	8,504	7,946	7,282	7,770	+9.4	23,732	21,905
Primary metals	14,418	14,601	13,660	-1.3	+6.9	-3.0	15,370	16,011	13,954	15,576	-1.3	45,335	49,029
Blast furnaces, steel mills	5,744	5,882	4,957	-2.3	+18.7	-7.0	6,101	6,603	5,377	6,601	-7.6	18,081	20,831
Iron and steel foundries	1,378	1,373	1,504	+0.4	-8.7	+5.0	1,532	1,564	1,495	1,881	-18.6	4,591	5,264
Nonferrous and other primary metals	7,296	7,346	7,199	-0.7	+2.0	-1.7	7,737	7,844	7,082	7,094	+9.1	22,663	22,934
Fabricated metal products	20,488	20,421	20,735	+0.3	-1.5	+1.3	21,296	20,746	19,120	20,464	+4.1	61,162	58,310
Industrial machinery and equipment	38,234	37,037	37,164	+3.2	-0.3	-2.8	43,978	36,232	31,857	43,413	+1.3	112,067	110,623
Engines and turbines	3,598	2,930	2,713	+22.8	+8.0	-27.8	3,489	2,603	2,156	2,024	+72.4	8,248	5,555
Construction, mining and material handling equipment	3,942	3,880	3,918	+1.6	-1.0	-4.0	4,538	4,240	3,771	5,040	-10.0	12,549	13,975
Metalworking machinery	3,472	3,673	3,629	-5.5	+1.2	+13.8	3,684	3,511	2,811	3,867	-4.7	10,006	9,974
Computer and office equipment	11,158	10,921	10,993	+2.2	-0.7	-4.9	14,386	9,637	8,021	14,053	+2.4	32,044	30,623
Electronic and other electrical equipment	33,969	32,651	34,895	+4.0	-6.4	+3.1	34,077	30,336	34,752	31,333	+8.8	99,165	90,916
Electrical transmission and distribution equipment and industrial apparatus	3,827	3,646	3,527	+5.0	+3.4	-7.3	4,213	3,823	3,247	3,969	+6.1	11,283	11,140
Electric lighting and wiring equipment	2,299	2,266	2,344	+1.5	-3.3	-7.6	2,498	2,318	2,068	2,385	+4.7	6,884	6,873
Communications equipment	8,425	8,130	8,224	+3.6	-1.1	+11.7	9,553	7,393	6,254	8,441	+13.2	23,200	21,475
Electronic components	13,750	13,070	15,211	+5.2	-14.1	+5.5	12,201	11,466	18,008	11,299	+8.0	41,675	36,375
Transportation equipment	48,227	45,421	52,396	+6.2	-13.3	+13.5	53,450	47,632	50,028	46,424	+15.1	151,110	132,665
Aircraft, missiles, space vehicles, and parts	10,699	10,978	15,535	-2.5	-29.3	+97.9	12,616	9,641	15,041	10,214	+23.5	37,298	31,815
Shipbuilding and tanks	2,077	433	2,014	379.7	-78.5	-14.3	2,127	389	1,809	957	122.3	4,325	2,380
Instruments and related products	14,220	14,177	14,153	+0.3	+0.2	+0.3	15,203	14,012	12,806	14,524	+4.7	42,021	40,890
Search and navigation equipment	3,016	3,177	3,055	-5.1	+4.0	+4.4	3,444	3,194	2,728	3,113	+10.6	9,366	8,520
Measuring and controlling devices	4,001	4,237	4,200	-5.6	+0.9	+2.9	4,338	4,245	3,756	4,280	+1.4	12,339	12,241
Medical instruments and supplies	4,934	4,606	4,665	+7.1	-1.3	-2.2	5,028	4,492	4,473	4,747	+5.9	13,993	13,568
All other durable goods	21,287	21,074	20,457	+1.0	+3.0	+0.5	22,309	20,609	18,209	20,178	+10.6	61,127	55,649
Nondurable goods industries	150,493	149,260	147,606	+0.8	+1.1	-0.5	153,705	146,028	137,585	151,384	+1.5	437,318	435,704
With unfilled orders	36,704	37,218	37,183	-1.4	+0.1	+1.0	37,074	36,461	34,752	38,146	-2.8	108,287	109,968

^p Preliminary. ^r Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Mar. 99/98
	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Feb.- Mar.	Jan.- Feb.	Dec.- Jan.	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Mar. 1998	
All manufacturing industries	527,038	525,999	526,677	+0.2	-0.1	+1.5	528,875	529,549	530,997	537,538	-1.6
Manufacturing industries without defense capital goods	430,119	430,004	429,452	0.0	+0.1	+1.5	430,161	432,885	432,234	434,766	-1.1
Durable goods industries	503,535	502,108	502,787	+0.3	-0.1	+1.5	505,551	506,205	507,600	512,007	-1.3
Stone, clay, and glass products	6,246	6,197	6,249	+0.8	-0.8	+0.5	6,317	6,219	6,234	6,455	-2.1
Primary metals	29,209	29,279	28,902	-0.2	+1.3	-2.2	30,743	30,591	29,215	35,674	-13.8
Blast furnaces, steel mills	11,448	11,320	10,991	+1.1	+3.0	-3.8	12,206	12,003	11,176	15,376	-20.6
Iron and steel foundries	5,102	5,283	5,437	-3.4	-2.8	-0.4	5,309	5,427	5,450	6,093	-12.9
Nonferrous and other primary metals	12,659	12,676	12,474	-0.1	+1.6	-1.5	13,228	13,161	12,589	14,205	-6.9
Fabricated metal products	26,221	26,139	26,109	+0.3	+0.1	+0.8	26,231	26,158	25,997	26,793	-2.1
Industrial machinery and equipment	76,834	75,390	75,109	+1.9	+0.4	+0.9	77,132	76,463	75,953	74,552	+3.5
Engines and turbines	20,427	19,111	18,493	+6.9	+3.3	+2.3	20,186	19,299	18,987	11,584	+74.3
Construction, mining and material handling equipment	9,505	9,705	9,815	-2.1	-1.1	-0.3	9,996	10,068	9,923	11,734	-14.8
Metalworking machinery	6,673	6,691	6,563	-0.3	+2.0	+1.8	6,673	6,691	6,563	7,464	-10.6
Computer and office equipment	8,193	7,910	8,184	+3.6	-3.3	+0.3	7,933	7,768	7,929	7,656	+3.6
Electronic and other electrical equipment	64,171	63,011	62,595	+1.8	+0.7	+3.4	62,677	63,887	64,747	55,982	+12.0
Electrical transmission and distribution equipment and industrial apparatus	6,332	6,280	6,259	+0.8	+0.3	-1.6	6,462	6,399	6,252	6,658	-2.9
Electric lighting and wiring equipment	5,132	5,156	5,124	-0.5	+0.6	+2.0	5,132	5,156	5,124	5,142	-0.2
Communications equipment	18,065	17,682	17,186	+2.2	+2.9	+0.9	18,041	17,694	17,177	16,441	+9.7
Electronic components	28,461	27,772	27,759	+2.5	0.0	+7.4	26,785	28,251	29,670	21,365	+25.4
Transportation equipment	244,956	246,284	248,365	-0.5	-0.8	+2.1	246,630	247,072	249,966	254,923	-3.3
Aircraft, missiles, space vehicles, and parts	204,987	206,485	207,714	-0.7	-0.6	+1.6	206,347	206,886	208,979	218,406	-5.5
Shipbuilding and tanks	20,763	19,881	20,343	+4.4	-2.3	+5.0	20,731	19,855	20,345	18,348	+13.0
Instruments and related products	47,315	47,422	47,291	-0.2	+0.3	+0.3	47,589	47,845	47,707	49,749	-4.3
Search and navigation equipment	26,069	26,229	26,146	-0.6	+0.3	-0.4	26,528	26,485	26,428	28,930	-8.3
Measuring and controlling devices	10,333	10,404	10,308	-0.7	+0.9	+1.2	10,333	10,404	10,308	10,724	-3.6
Medical instruments and supplies	9,938	9,770	9,814	+1.7	-0.4	+1.4	9,699	9,916	10,018	8,679	+11.8
All other durable goods	8,583	8,386	8,167	+2.3	+2.7	+0.1	8,232	7,970	7,781	7,879	+4.5
Nondurable goods industries	23,503	23,891	23,890	-1.6	0.0	+0.1	23,324	23,344	23,397	25,531	-8.6

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Mar. 99/98
	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Feb.- Mar.	Jan.- Feb.	Dec.- Jan.	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Mar. 1998	
All manufacturing industries	463,352	464,198	464,867	-0.2	-0.1	-0.4	462,248	466,680	462,588	461,334	+0.2
Manufacturing industries with unfilled orders	309,857	310,711	310,790	-0.3	0.0	-0.6	308,071	311,232	307,625	306,726	+0.4
without defense capital goods	444,799	445,418	446,285	-0.1	-0.2	-0.2	443,865	447,999	444,384	443,474	+0.1
Durable goods industries	293,363	294,030	293,563	-0.2	+0.2	-0.6	292,497	295,766	291,608	290,205	+0.8
With unfilled orders	268,922	269,926	269,448	-0.4	+0.2	-0.7	267,352	270,750	266,947	265,954	+0.5
Stone, clay, and glass products	9,280	9,263	9,381	+0.2	-1.3	+0.5	9,492	9,499	9,402	9,338	+1.6
Primary metals	23,722	24,176	24,438	-1.9	-1.1	-1.0	23,580	24,258	24,525	24,192	-2.5
Blast furnaces, steel mills	11,590	11,776	11,924	-1.6	-1.2	-1.1	11,375	11,779	12,085	11,639	-2.3
Iron and steel foundries	1,627	1,624	1,614	+0.2	+0.6	+2.2	1,678	1,652	1,598	1,591	+5.5
Nonferrous and other primary metals	10,505	10,776	10,900	-2.5	-1.1	-1.3	10,527	10,827	10,842	10,962	-4.0
Fabricated metal products	30,776	30,849	30,920	-0.2	-0.2	+0.2	31,001	30,909	30,741	30,683	+1.0
Industrial machinery and equipment	60,877	60,673	60,658	+0.3	0.0	+0.2	60,456	61,627	60,256	60,478	0.0
Engines and turbines	4,227	4,111	4,097	+2.8	+0.3	+5.8	4,161	4,127	3,961	4,248	-2.0
Farm and garden machinery	3,752	3,747	3,770	+0.1	-0.6	-2.5	3,982	4,176	4,136	3,989	-0.2
Construction, mining and material handling equipment	9,059	9,097	9,099	-0.4	0.0	+0.6	9,135	9,256	9,110	8,472	+7.8
Metalworking machinery	7,957	7,938	7,980	+0.2	-0.5	+0.6	7,811	7,867	7,774	7,269	+7.5
Computer and office equipment	9,216	9,164	9,045	+0.6	+1.3	-0.2	8,713	9,372	8,714	9,669	-9.9
Electronic and other electrical equipment	40,439	40,133	39,581	+0.8	+1.4	-0.5	40,086	40,123	39,036	40,951	-2.1
Electrical transmission and distribution equipment and industrial apparatus	5,281	5,365	5,423	-1.6	-1.1	-2.0	5,276	5,455	5,421	5,578	-5.4
Household appliances	2,395	2,399	2,403	-0.2	-0.2	0.0	2,478	2,486	2,351	2,449	+1.2
Electric lighting and wiring equipment	3,485	3,457	3,448	+0.8	+0.3	-0.3	3,438	3,441	3,371	3,349	+2.7
Household audio and video equipment	967	1,006	1,022	-3.9	-1.6	-0.6	903	988	986	877	+3.0
Communications equipment	10,638	9,836	9,484	+8.2	+3.7	-3.1	10,424	9,715	9,376	10,422	0.0
Electronic components	14,034	14,378	14,045	-2.4	+2.4	+0.9	13,955	14,401	13,874	14,762	-5.5
Transportation equipment	73,346	73,972	73,852	-0.8	+0.2	-2.4	73,238	74,203	73,252	71,066	+3.1
Motor vehicles and parts	17,222	16,978	17,101	+1.4	-0.7	-1.8	17,483	17,026	17,090	16,865	+3.7
Aircraft, missiles, space vehicles, and parts	50,353	51,068	50,955	-1.4	+0.2	-3.2	49,909	51,217	50,362	48,807	+2.3
Shipbuilding and tanks	2,042	1,888	1,858	+8.2	+1.6	-4.3	2,121	1,907	1,885	1,722	+23.2
Instruments and related products	26,635	26,757	26,443	-0.5	+1.2	-0.3	26,404	26,604	25,831	26,116	+1.1
Search and navigation equipment	6,797	6,730	6,569	+1.0	+2.5	-0.1	6,698	6,661	6,378	6,495	+3.1
Measuring and controlling devices	7,923	7,986	7,979	-0.8	+0.1	-1.2	7,908	7,969	7,857	8,143	-2.9
Medical instruments and supplies	8,552	8,599	8,455	-0.5	+1.7	+0.2	8,446	8,567	8,328	8,213	+2.8
Photographic goods	2,604	2,691	2,695	-3.2	-0.1	+0.6	2,590	2,661	2,534	2,565	+1.0
All other durable goods	28,288	28,207	28,290	+0.3	-0.3	+1.2	28,240	28,543	28,565	27,381	+3.1
Nondurable goods industries	169,989	170,168	171,304	-0.1	-0.7	-0.1	169,751	170,914	170,980	171,129	-0.8
With unfilled orders	40,935	40,785	41,342	+0.4	-1.3	-0.3	40,719	40,482	40,678	40,772	-0.1
Food and kindred products	37,698	37,773	37,658	-0.2	+0.3	+1.0	37,292	37,974	38,016	37,083	+0.6
Meat products	4,195	4,164	4,095	+0.7	+1.7	+0.4	4,283	4,268	4,056	4,161	+2.9
Dairy products	3,946	3,967	3,914	-0.5	+1.4	+4.5	3,921	3,910	3,859	3,816	+2.8
Beverages	8,515	8,558	8,414	-0.5	+1.7	+0.8	8,553	8,602	8,401	8,120	+5.3
All other foods, except fats and oils	19,218	19,252	19,391	-0.2	-0.7	+0.7	18,683	19,258	19,750	19,039	-1.9
Tobacco products	5,362	5,513	5,682	-2.7	-3.0	-3.2	5,416	5,947	6,193	5,980	-9.4
Textile mill products	10,073	10,025	10,078	+0.5	-0.5	-1.0	10,077	10,129	10,066	10,249	-1.7
Broadwoven fabrics and other textiles	6,229	6,248	6,300	-0.3	-0.8	-0.8	6,201	6,343	6,346	6,340	-2.2
Paper and allied products	16,081	16,078	16,180	0.0	-0.6	-1.1	16,221	16,197	16,229	16,516	-1.8
Pulp, paper, and paperboard mill products	6,569	6,591	6,618	-0.3	-0.4	-1.4	6,631	6,700	6,668	6,623	+0.1
Paperboard containers and boxes	3,943	3,943	3,985	0.0	-1.1	-2.0	3,987	3,975	3,994	4,275	-6.7
Miscellaneous converted paper products	5,569	5,544	5,577	+0.5	-0.6	-0.1	5,603	5,522	5,567	5,618	-0.3
Chemicals and allied products	45,990	46,295	46,425	-0.7	-0.3	+0.5	46,273	46,841	46,214	45,734	+1.2
Industrial chemicals	19,201	19,316	19,546	-0.6	-1.2	-1.3	19,202	19,554	19,699	20,357	-5.7
Drugs, soaps, and toiletries	20,886	21,170	21,039	-1.3	+0.6	+2.0	20,670	21,045	20,357	19,509	+6.0
Petroleum and coal products	10,449	10,040	10,239	+4.1	-1.9	-0.1	10,312	9,724	10,000	11,239	-8.2
Rubber and plastics products	16,656	16,710	16,780	-0.3	-0.4	+0.1	16,968	17,095	16,956	16,847	+0.7
All other nondurable goods	27,680	27,734	28,262	-0.2	-1.9	-0.9	27,192	27,007	27,306	27,481	-1.1

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted ²						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Mar. 1998	Mar. 99/98	1999 ^p	1998
SHIPMENTS													
All manufacturing industries	348,873	343,724	341,673	+1.5	+0.6	-0.7	368,566	341,000	307,582	357,033	+3.2	1,017,148	989,711
Market categories :													
Automotive equipment	16,307	15,796	15,564	+3.2	+1.5	-0.2	17,846	17,256	14,335	16,014	+11.4	49,437	44,128
Home goods and apparel	19,680	19,741	19,772	-0.3	-0.2	+2.4	20,772	19,763	16,773	19,865	+4.6	57,308	54,909
Consumer staples	72,090	70,814	69,658	+1.8	+1.7	-1.2	73,274	67,997	65,376	69,567	+5.3	206,647	199,954
Machinery and equipment	67,900	65,797	65,946	+3.2	-0.2	-2.0	76,539	64,180	55,293	72,950	+4.9	196,012	186,234
Business supplies	26,416	26,020	25,856	+1.5	+0.6	+0.7	26,725	25,461	23,652	25,818	+3.5	75,838	73,719
Construction materials and supplies	22,620	22,437	22,012	+0.8	+1.9	-1.3	22,833	21,548	19,222	21,737	+5.0	63,603	60,715
Defense products	6,907	6,930	6,955	-0.3	-0.4	+1.9	7,382	7,001	5,763	7,425	-0.6	20,146	20,054
Other materials, supplies and intermediate products	116,953	116,189	115,910	+0.7	+0.2	-0.7	123,195	117,794	107,168	123,657	-0.4	348,157	349,998
Durable goods industries :													
Nondefense capital goods ³	54,213	52,772	52,954	+2.7	-0.3	-2.1	62,083	50,014	43,012	59,619	+4.1	155,109	148,045
Excluding aircraft and parts	45,540	44,228	44,409	+3.0	-0.4	-2.1	52,699	41,929	35,904	51,175	+3.0	130,532	126,672
Defense capital goods ⁴	6,664	6,729	6,740	-1.0	-0.2	+3.0	7,129	6,754	5,494	7,124	+0.1	19,377	18,981
Durables excluding capital goods	137,115	134,964	134,397	+1.6	+0.4	-0.4	145,629	138,151	121,942	139,205	+4.6	405,722	387,288
Miscellaneous series :													
Producers' durable equipment	129,792	126,816	126,757	+2.3	0.0	-1.3	143,891	127,867	110,374	136,402	+5.5	382,132	360,456
Household durable goods	10,106	10,279	10,053	-1.7	+2.2	+2.5	11,115	10,162	8,465	10,194	+9.0	29,742	26,984
Information technology industries	25,716	25,468	25,864	+1.0	-1.5	+1.8	30,702	23,214	20,126	29,449	+4.3	74,042	70,109
Health care equipment and products	12,842	12,624	12,086	+1.7	+4.5	-5.7	13,757	12,146	11,347	12,645	+8.8	37,250	34,682
NEW ORDERS													
All manufacturing industries	349,912	343,046	349,314	+2.0	-1.8	+1.6	367,892	339,552	325,593	351,066	+4.8	1,033,037	995,691
Market categories :													
Automotive equipment	16,291	15,726	15,686	+3.6	+0.3	+0.3	17,804	17,200	14,607	15,979	+11.4	49,611	44,188
Home goods and apparel	19,852	19,940	19,681	-0.4	+1.3	+1.8	20,924	20,139	17,165	19,397	+7.9	58,228	54,837
Consumer staples	72,194	70,782	69,755	+2.0	+1.5	-1.1	73,395	67,713	65,594	69,643	+5.4	206,702	199,933
Machinery and equipment	67,441	65,715	69,858	+2.6	-5.9	+7.5	75,478	64,574	60,507	70,959	+6.4	200,559	188,991
Business supplies	26,531	25,967	26,042	+2.2	-0.3	+1.8	26,906	25,250	24,028	25,869	+4.0	76,184	73,911
Construction materials and supplies	22,682	22,578	22,111	+0.5	+2.1	-1.0	22,979	21,798	19,494	21,734	+5.7	64,271	61,286
Defense products	7,926	5,757	8,298	+37.7	-30.6	+9.0	9,462	4,886	8,720	6,727	+40.7	23,068	20,164
Other materials, supplies and intermediate products	116,995	116,581	117,883	+0.4	-1.1	0.0	120,944	117,992	115,478	120,758	+0.2	354,414	352,381
Durable goods industries :													
Nondefense capital goods ³	53,790	53,233	56,863	+1.0	-6.4	+9.3	60,936	50,791	47,992	57,653	+5.7	159,719	150,637
Excluding aircraft and parts	47,425	45,522	45,316	+4.2	+0.5	-3.9	53,860	43,539	37,882	50,464	+6.7	135,281	129,622
Defense capital goods ⁴	7,588	5,499	8,018	+38.0	-31.4	+7.6	9,179	4,655	8,544	6,651	+38.0	22,378	19,537
Durables excluding capital goods	138,041	135,054	136,827	+2.2	-1.3	+0.5	144,072	138,078	131,472	135,378	+6.4	413,622	389,813
Miscellaneous series :													
Producers' durable equipment	129,282	125,786	131,562	+2.8	-4.4	+4.5	142,100	127,342	118,040	133,249	+6.6	387,482	363,072
Household durable goods	10,339	10,429	10,033	-0.9	+3.9	+1.8	11,190	10,311	8,855	9,646	+16.0	30,356	26,625
Information technology industries	26,174	26,329	26,029	-0.6	+1.2	+1.4	31,061	24,249	20,243	29,602	+4.9	75,553	72,092
Health care equipment and products	13,011	12,580	12,225	+3.4	+2.9	-4.5	13,541	12,044	11,778	12,439	+8.9	37,363	34,936

^p Preliminary. ^r Revised.

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

³ Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and manufacturing equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and air conditioning equipment; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and parts; ships and tank components; railroad equipment; and search and navigation equipment.

⁴ Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

**Table 6. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS AND TOTAL INVENTORIES
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Mar. 99/98
	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Feb.- Mar.	Jan.- Feb.	Dec.- Jan.	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Mar. 1998	
UNFILLED ORDERS											
All manufacturing industries	527,038	525,999	526,677	+0.2	-0.1	+1.5	528,875	529,549	530,997	537,538	-1.6
Market categories :											
Automotive equipment	2,510	2,526	2,596	-0.6	-2.7	+4.9	2,578	2,621	2,677	2,547	+1.2
Home goods and apparel	9,259	9,087	8,888	+1.9	+2.2	-1.0	9,231	9,079	8,703	8,486	+8.8
Consumer staples	2,532	2,428	2,461	+4.3	-1.3	+4.1	2,318	2,196	2,480	2,028	+14.3
Machinery and equipment	244,973	245,431	245,513	-0.2	0.0	+1.6	245,118	246,179	245,785	245,500	-0.2
Business supplies	7,037	6,922	6,975	+1.7	-0.8	+2.7	6,866	6,686	6,897	6,624	+3.7
Construction materials and supplies	17,808	17,746	17,605	+0.3	+0.8	+0.6	17,909	17,763	17,513	18,196	-1.6
Defense products	92,146	91,127	92,300	+1.1	-1.3	+1.5	93,837	91,758	93,873	97,655	-3.9
Other materials, supplies and and intermediate products	150,773	150,732	150,339	0.0	+0.3	+1.3	151,018	153,267	153,069	156,502	-3.5
Durable goods industries :											
Nondefense capital goods ³	261,327	261,750	261,289	-0.2	+0.2	+1.5	261,692	262,839	262,062	263,808	-0.8
Excluding aircraft and parts	110,961	109,076	107,782	+1.7	+1.2	+0.8	111,326	110,165	108,555	106,122	+4.9
Defense capital goods ⁴	96,919	95,995	97,225	+1.0	-1.3	+1.3	98,714	96,664	98,763	102,772	-3.9
Durables excluding capital goods	145,289	144,363	144,273	+0.6	+0.1	+1.7	145,145	146,702	146,775	145,427	-0.2
Miscellaneous series :											
Producers' durable equipment	284,600	285,110	286,140	-0.2	-0.4	+1.7	284,854	286,645	287,170	285,730	-0.3
Household durable goods	5,885	5,652	5,502	+4.1	+2.7	-0.4	5,775	5,700	5,551	5,424	+6.5
Information technology industries	40,842	40,384	39,523	+1.1	+2.2	+0.4	40,627	40,268	39,233	39,953	+1.7
Health care equipment and products	9,979	9,811	9,855	+1.7	-0.4	+1.4	9,738	9,954	10,056	8,720	+11.7
TOTAL INVENTORIES											
All manufacturing industries	463,352	464,198	464,867	-0.2	-0.1	-0.4	462,248	466,680	462,588	461,334	+0.2
Market categories :											
Automotive equipment	8,668	8,516	8,585	+1.8	-0.8	-1.0	8,819	8,570	8,527	8,434	+4.6
Home goods and apparel	31,491	31,578	31,839	-0.3	-0.8	-1.3	31,221	31,434	31,479	31,005	+0.7
Consumer staples	73,186	73,309	73,427	-0.2	-0.2	+0.8	72,547	73,478	73,284	72,247	+0.4
Machinery and equipment	118,483	118,149	117,346	+0.3	+0.7	-0.4	117,723	119,200	116,214	116,222	+1.3
Business supplies	28,085	27,965	28,395	+0.4	-1.5	+0.5	28,033	27,779	27,958	27,780	+0.9
Construction materials and supplies	28,722	28,741	28,844	-0.1	-0.4	+0.5	28,959	29,050	28,806	28,551	+1.4
Defense products	18,178	18,365	18,178	-1.0	+1.0	-5.7	18,010	18,267	17,888	17,479	+3.0
Other materials, supplies and and intermediate products	156,539	157,575	158,253	-0.7	-0.4	-0.4	156,936	158,902	158,432	159,616	-1.7
Durable goods industries :											
Nondefense capital goods ³	110,590	110,270	109,680	+0.3	+0.5	-0.5	109,438	110,960	108,410	108,577	+0.8
Excluding aircraft and parts	72,329	71,701	71,056	+0.9	+0.9	+0.2	71,466	72,161	70,061	71,417	+0.1
Defense capital goods ⁴	18,553	18,780	18,582	-1.2	+1.1	-6.2	18,383	18,681	18,204	17,860	+2.9
Durables excluding capital goods	164,220	164,980	165,301	-0.5	-0.2	0.0	164,676	166,125	164,994	163,768	+0.6
Miscellaneous series :											
Producers' durable equipment	190,798	190,422	189,831	+0.2	+0.3	-0.3	189,978	191,541	188,340	187,729	+1.2
Household durable goods	16,277	16,279	16,445	0.0	-1.0	+0.3	16,155	16,352	16,363	15,508	+4.2
Information technology industries	32,998	32,250	31,627	+2.3	+2.0	-1.0	32,266	32,276	30,833	33,181	-2.8
Health care equipment and products	19,858	20,057	19,845	-1.0	+1.1	+1.2	19,639	19,961	19,357	18,796	+4.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,
BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Mar. 99/98
	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Feb.- Mar.	Jan.- Feb.	Dec.- Jan.	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Mar. 1998	
MATERIALS AND SUPPLIES											
All manufacturing industries	153,517	153,939	154,015	-0.3	0.0	0.0	152,705	154,371	154,756	153,671	-0.6
Durable goods industries	92,387	92,436	91,974	-0.1	+0.5	+0.3	91,284	92,448	92,392	90,836	+0.5
Stone, clay, and glass products	3,192	3,136	3,134	+1.8	+0.1	-0.5	3,160	3,134	3,146	2,939	+7.5
Primary metals	7,579	7,590	7,701	-0.1	-1.4	-1.8	7,302	7,497	7,794	7,483	-2.4
Fabricated metal products	10,388	10,429	10,403	-0.4	+0.2	0.0	10,359	10,406	10,498	10,496	-1.3
Industrial machinery and equipment	20,249	19,989	19,997	+1.3	0.0	+1.1	19,985	20,089	19,876	19,501	+2.5
Electronic and other electrical equipment	15,672	15,636	15,511	+0.2	+0.8	-0.2	15,462	15,534	15,454	15,616	-1.0
Transportation equipment	15,068	15,552	15,257	-3.1	+1.9	+0.8	15,088	15,648	15,340	15,357	-1.8
Instruments and related products	9,221	9,130	8,872	+1.0	+2.9	-1.6	9,186	9,029	8,824	9,042	+1.6
Lumber, furniture and miscellaneous durable goods	11,018	10,974	11,099	+0.4	-1.1	+1.9	10,742	11,111	11,460	10,402	+3.3
Nondurable goods industries	61,130	61,503	62,041	-0.6	-0.9	-0.4	61,421	61,923	62,364	62,835	-2.3
Food and kindred products	11,420	11,315	11,409	+0.9	-0.8	+1.2	11,521	11,441	11,604	11,309	+1.9
Tobacco products	4,706	4,809	4,926	-2.1	-2.4	-2.7	4,827	5,113	5,307	5,214	-7.4
Textile mill products	2,851	2,869	2,881	-0.6	-0.4	-0.8	2,883	2,906	2,880	3,021	-4.6
Paper and allied products	7,768	7,772	7,841	-0.1	-0.9	-1.1	7,815	7,801	7,853	8,058	-3.0
Chemicals and allied products	15,485	15,661	15,811	-1.1	-0.9	+0.4	15,455	15,712	15,743	15,307	+1.0
Petroleum and coal products	3,155	3,115	3,072	+1.3	+1.4	-1.0	3,216	3,057	2,976	3,688	-12.8
Rubber and plastics products	6,808	6,830	6,843	-0.3	-0.2	-0.6	6,823	6,888	6,894	6,706	+1.7
Apparel, printing and publishing and leather goods	8,937	9,132	9,258	-2.1	-1.4	-1.6	8,881	9,005	9,107	9,532	-6.8
WORK IN PROCESS											
All manufacturing industries	148,064	148,707	148,805	-0.4	-0.1	-1.2	146,990	148,767	147,207	146,997	0.0
Durable goods industries	118,406	119,250	119,364	-0.7	-0.1	-1.6	117,765	119,390	117,801	118,054	-0.2
Stone, clay, and glass products	1,329	1,344	1,404	-1.1	-4.3	+1.2	1,413	1,424	1,392	1,415	-0.1
Primary metals	8,218	8,426	8,533	-2.5	-1.3	-0.4	8,268	8,447	8,509	8,712	-5.1
Fabricated metal products	9,011	9,061	9,067	-0.6	-0.1	-0.4	8,952	8,922	8,899	8,911	+0.5
Industrial machinery and equipment	22,223	22,654	22,551	-1.9	+0.5	+0.2	21,904	22,861	22,125	22,396	-2.2
Electronic and other electrical equipment	13,835	13,733	13,700	+0.7	+0.2	+0.5	13,766	13,782	13,500	14,573	-5.5
Transportation equipment	48,702	48,779	48,845	-0.2	-0.1	-3.8	48,420	48,702	48,409	46,736	+3.6
Instruments and related products	9,878	9,998	9,965	-1.2	+0.3	-0.4	9,821	9,996	9,719	9,950	-1.3
Lumber, furniture and miscellaneous durable goods	5,210	5,255	5,299	-0.9	-0.8	+0.2	5,221	5,256	5,248	5,361	-2.6
Nondurable goods industries	29,658	29,457	29,441	+0.7	+0.1	+0.3	29,225	29,377	29,406	28,943	+1.0
Food and kindred products	6,125	6,151	6,029	-0.4	+2.0	+3.3	6,037	6,270	6,352	5,619	+7.4
Tobacco products	95	93	95	+2.2	-2.1	+1.1	92	91	98	107	-14.0
Textile mill products	2,523	2,518	2,553	+0.2	-1.4	-1.4	2,511	2,516	2,561	2,681	-6.3
Paper and allied products	1,646	1,650	1,647	-0.2	+0.2	-0.5	1,660	1,687	1,690	1,673	-0.8
Chemicals and allied products	8,771	8,762	8,604	+0.1	+1.8	+0.1	8,633	8,724	8,461	8,230	+4.9
Petroleum and coal products	2,435	2,241	2,292	+8.7	-2.2	-2.4	2,421	2,190	2,256	2,693	-10.1
Rubber and plastics products	2,267	2,225	2,245	+1.9	-0.9	+0.6	2,285	2,263	2,279	2,282	+0.1
Apparel, printing and publishing and leather goods	5,796	5,817	5,976	-0.4	-2.7	-0.4	5,586	5,636	5,709	5,658	-1.3
FINISHED GOODS											
All manufacturing industries	161,771	161,552	162,047	+0.1	-0.3	-0.1	162,553	163,542	160,625	160,666	+1.2
Durable goods industries	82,570	82,344	82,225	+0.3	+0.1	-0.2	83,448	83,928	81,415	81,315	+2.6
Stone, clay, and glass products	4,759	4,783	4,843	-0.5	-1.2	+1.0	4,919	4,941	4,864	4,984	-1.3
Primary metals	7,925	8,160	8,204	-2.9	-0.5	-0.8	8,010	8,314	8,222	7,997	+0.2
Fabricated metal products	11,377	11,359	11,450	+0.2	-0.8	+0.9	11,690	11,581	11,344	11,276	+3.7
Industrial machinery and equipment	18,405	18,030	18,110	+2.1	-0.4	-0.8	18,567	18,677	18,255	18,581	-0.1
Electronic and other electrical equipment	10,932	10,764	10,370	+1.6	+3.8	-2.3	10,858	10,807	10,082	10,762	+0.9
Transportation equipment	9,576	9,641	9,750	-0.7	-1.1	-0.6	9,730	9,853	9,503	8,973	+8.4
Instruments and related products	7,536	7,629	7,606	-1.2	+0.3	+1.4	7,397	7,579	7,288	7,124	+3.8
Lumber, furniture and miscellaneous durable goods	12,060	11,978	11,892	+0.7	+0.7	+1.1	12,277	12,176	11,857	11,618	+5.7
Nondurable goods industries	79,201	79,208	79,822	0.0	-0.8	0.0	79,105	79,614	79,210	79,351	-0.3
Food and kindred products	20,153	20,307	20,220	-0.8	+0.4	+0.2	19,734	20,263	20,060	20,155	-2.1
Tobacco products	561	611	661	-8.2	-7.6	-6.8	497	743	788	659	-24.6
Textile mill products	4,699	4,638	4,644	+1.3	-0.1	-0.9	4,683	4,707	4,625	4,547	+3.0
Paper and allied products	6,667	6,656	6,692	+0.2	-0.5	-1.3	6,746	6,709	6,686	6,785	-0.6
Chemicals and allied products	21,734	21,872	22,010	-0.6	-0.6	+0.6	22,185	22,405	22,010	22,197	-0.1
Petroleum and coal products	4,859	4,684	4,875	+3.7	-3.9	+1.5	4,675	4,477	4,768	4,858	-3.8
Rubber and plastics products	7,581	7,655	7,692	-1.0	-0.5	+0.5	7,860	7,944	7,783	7,859	0.0
Apparel, printing and publishing and leather goods	12,947	12,785	13,028	+1.3	-1.9	-0.6	12,725	12,366	12,490	12,291	+3.5

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio ¹			
	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Dec. 1998	Mar. 1999 ^p	Feb. 1999 ^r	Jan. 1999	Dec. 1998
All manufacturing industries	1.33	1.35	1.36	1.36	2.65	2.67	2.67	2.61
Durable goods industries	1.48	1.51	1.51	1.51	3.11	3.15	3.14	3.07
Stone, clay, and glass products	1.09	1.10	1.14	1.12	0.77	0.77	0.79	0.78
Primary metals	1.64	1.70	1.71	1.74	2.02	2.06	2.02	2.08
Fabricated metal products	1.51	1.51	1.51	1.50	1.37	1.36	1.35	1.34
Industrial machinery and equipment	1.65	1.65	1.66	1.64	2.21	2.17	2.17	2.12
Electronic and other electrical equipment	1.23	1.25	1.21	1.21	1.96	1.95	1.91	1.83
Transportation equipment	1.48	1.56	1.56	1.58	9.04	9.51	9.55	9.12
Instruments and related products	1.86	1.90	1.89	1.85	3.30	3.38	3.38	3.28
Nondurable goods industries	1.13	1.14	1.16	1.15	0.63	0.64	0.64	0.64
Food and kindred products	0.90	0.91	0.91	0.90	(X)	(X)	(X)	(X)
Tobacco products	1.28	1.35	1.41	1.54	(X)	(X)	(X)	(X)
Textile mill products	1.58	1.56	1.53	1.57	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.20	1.18	1.20	1.20	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.37	1.39	1.44	1.38	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.89	0.93	0.93	(X)	(X)	(X)	(X)
Rubber and plastics products	1.21	1.22	1.27	1.25	(X)	(X)	(X)	(X)

^p Preliminary. ^r Revised. (X) Not applicable. (NA) Not available.

¹ Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar. ¹ 1999	Mar. ² 1994-1998	Mar. 1998-Feb. 1999	Mar. ¹ 1999	Mar. ² 1994-1998	Mar. 1998-Feb. 1999	Mar. ¹ 1999	Mar. ² 1994-1998	Mar. 1998-Feb. 1999	Mar. ¹ 1999	Mar. ² 1994-1998	Mar. 1998-Feb. 1999
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.3	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.5	0.2	0.2	0.9	0.3	0.4	0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.6	0.4	(X)	1.1	0.6	(X)	0.5	0.4	(X)	0.1	0.2
Primary metals	0.1	0.6	0.3	0.1	0.8	0.8	-0.1	0.3	0.2	(X)	0.1	0.1
Fabricated metal products	(X)	0.3	0.3	(X)	0.5	0.4	(X)	0.3	0.2	(X)	0.2	0.1
Industrial machinery and equipment	0.4	0.2	0.3	0.3	0.5	0.3	0.0	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.6	0.2	0.6	0.9	0.8	1.5	0.2	0.4	0.7	(X)	0.2	0.2
Transportation equipment	1.2	0.4	0.6	2.6	1.1	0.9	0.2	0.1	0.1	(X)	0.0	0.2
Instruments and related products	(X)	0.4	0.5	(X)	0.4	1.5	(X)	0.1	0.3	(X)	0.1	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.2	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Petroleum and coal products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7
Rubber and plastics products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Capital goods industries :												
Nondefense	0.6	0.1	0.3	1.1	0.7	0.5	0.0	0.1	0.1	(X)	0.1	0.1
Defense	0.3	0.5	0.4	1.8	2.4	3.4	0.2	0.1	0.2	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

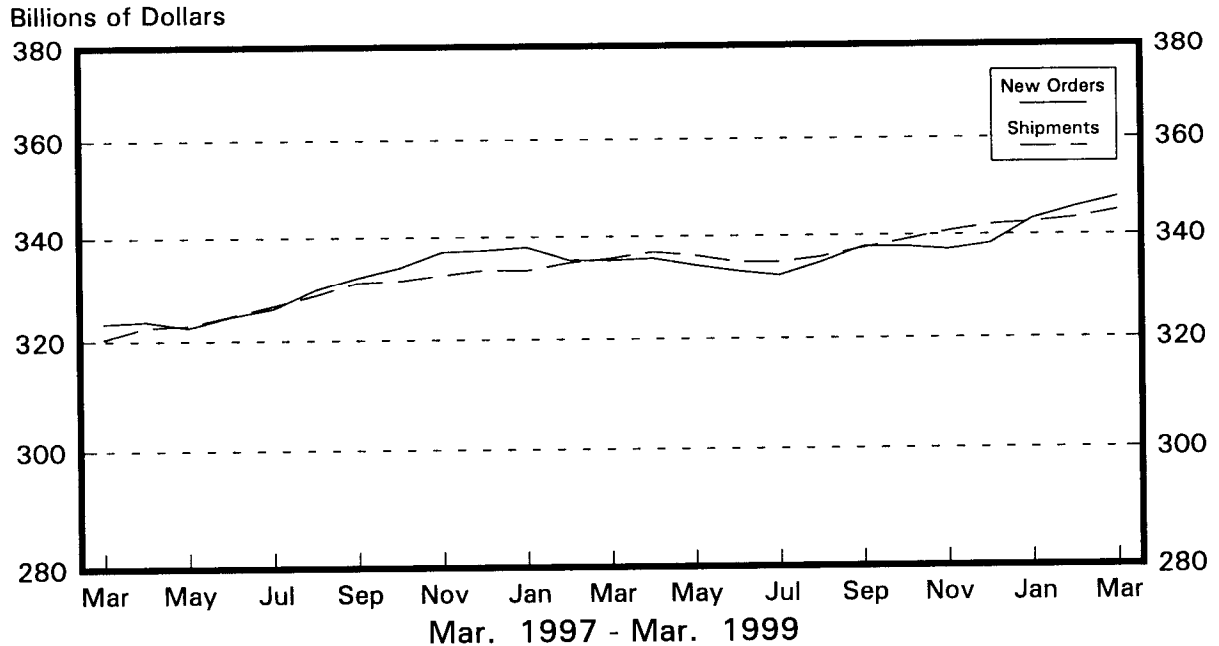
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² Average for this month for the last five years.

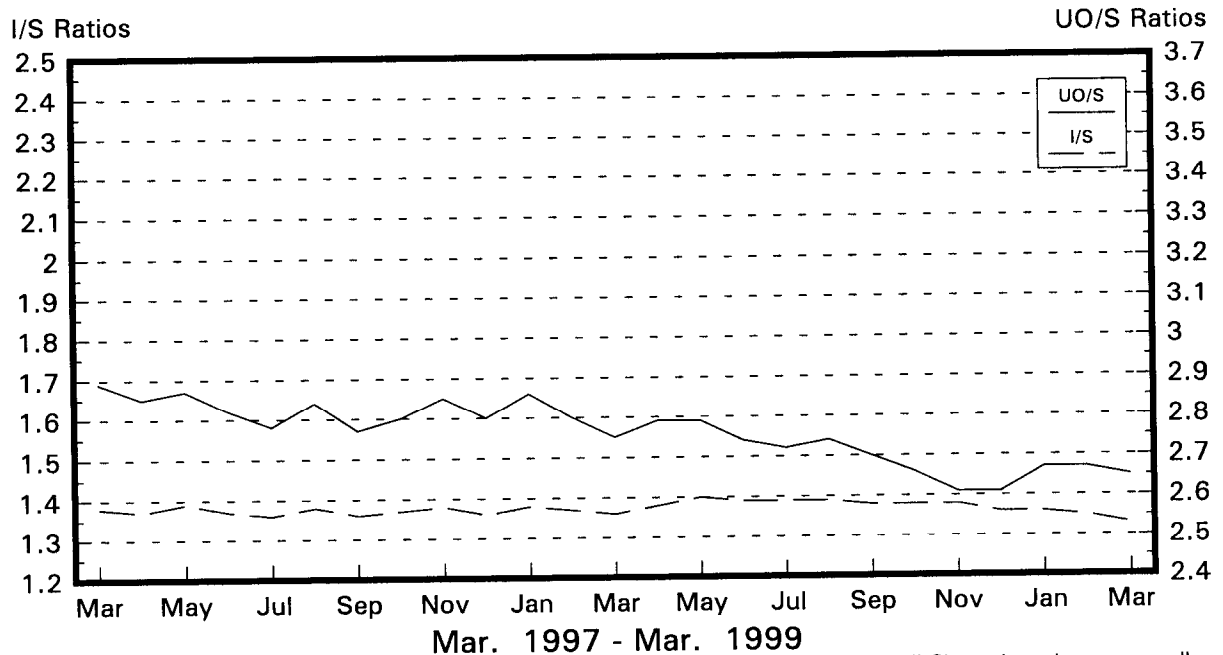
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments



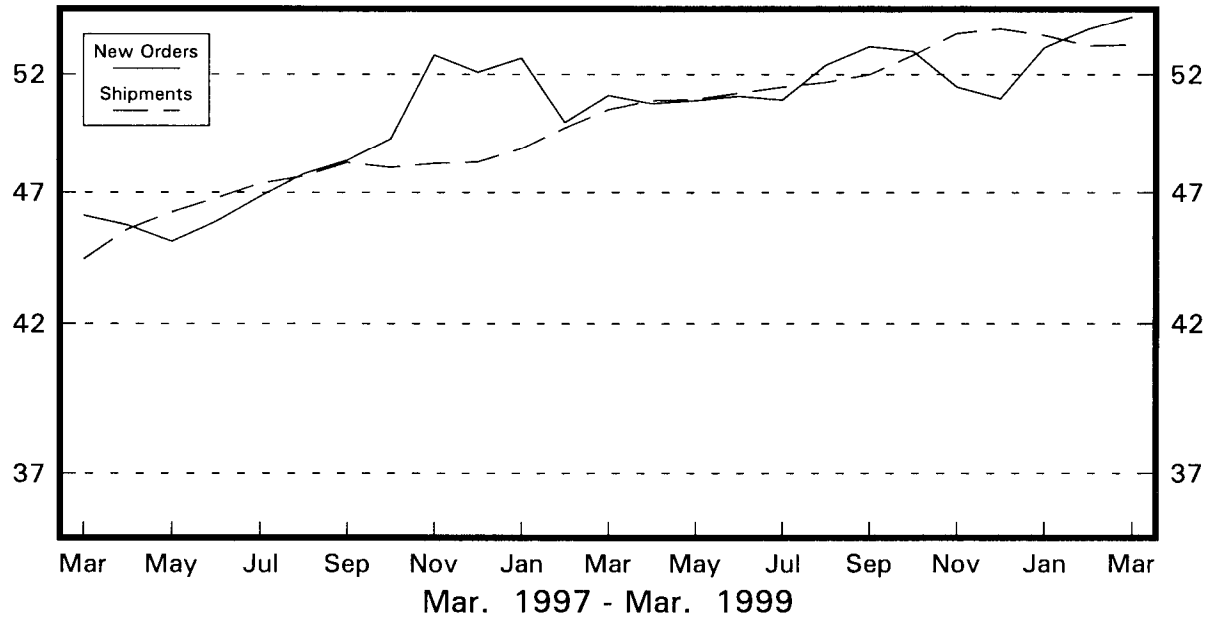
Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

11

New Orders and Shipments
Three Month Moving Averages

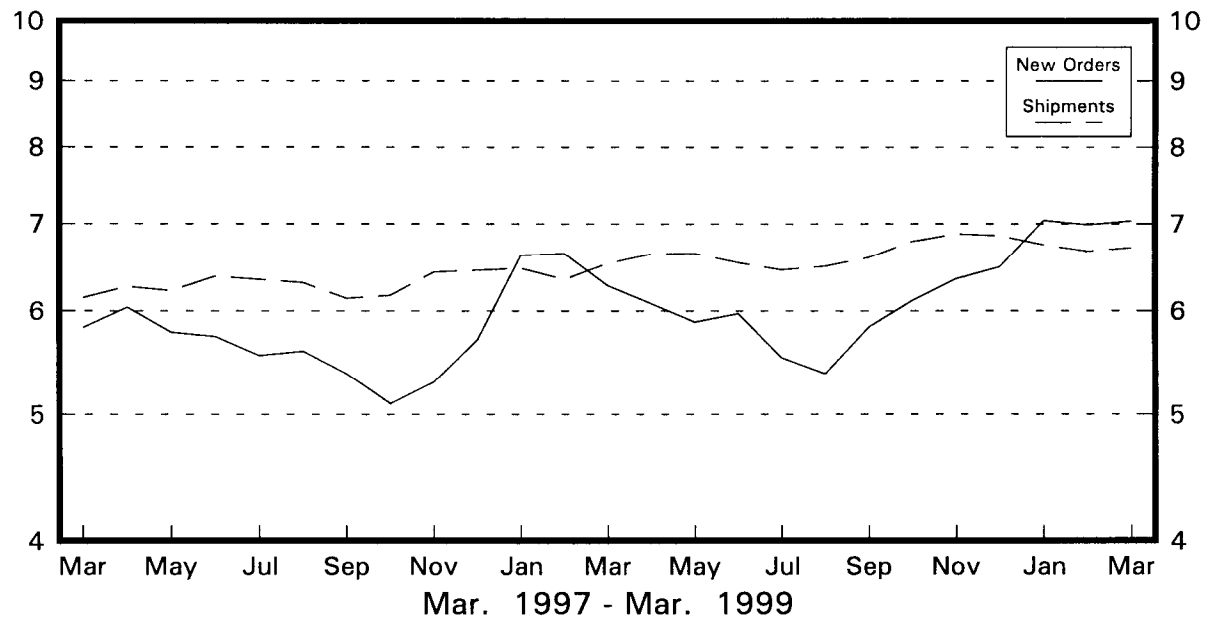
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.